

MOVPE News

EMF provides first MOVPE system in Spain

EMF Ltd (Cambridge, UK) has delivered an MOVPE system to Valencia University for cadmium mercury telluride (CMT) growth research. Dr Vincente Munoz recently accepted the machine from EMF's sales and marketing director, Jim Dixon after the successful completion of training and process demonstration.

This system is believed to be the first MOVPE system in Spain. Valencia

University has a strong activity in CMT growth and this system will provide additional capabilities in the field. The system was delivered and installed within four months of contracts being placed.

EMF says that it has had a record year for system sales in 1999, with the total for the year reaching 11. These include systems for both R&D and production. The company anticipates an even better year ahead thanks to the debut



Dr Vincente Munoz (right) of Valencia University recently took delivery of an MOVPE system from EMF's Jim Dixon (left).

of its first MOVPE system for the III-nitrides: the hydride injection (HI) cell.

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Solar Cell News

Tecstar's solar cell challenge

TECSTAR Inc (City of Industry, CA, USA) played a key role in the US Solar Motions team in their preparations for the 1999 Australian Solar Challenge international auto race, as featured on the front cover of our previous issue. TECSTAR supplied the triple junction Cascade® solar cells to power 'Cascade Cruiser', Solar Motions' solar-powered racecar. The cells represent a maximum of 26% efficiency.

The race stretched over 3010 km between Darwin in Australia's north to Adelaide and ran from 17 to 26 October 1999. The race has been held every three years since 1987, when the GM Sunrayer won, setting an average speed of 67 km.h⁻¹. TECSTAR also powered the Sunrayer with its GaAs solar cells. Last October competitors included Ferrari, Honda, and Toyota.

Leader of the Solar Motions team was Space

Systems/Loral engineer, Martin Koebler. "Our primary goal in entering the Australian Solar Challenge was to help promote technology for alternative energy and the engineering studies needed to build more environment friendly vehicles", Koebler said.

TECSTAR president and chief executive officer David M. Van Buren added, "TECSTAR was proud to participate in the race where the purpose is to facilitate solar research and

development for future transportation needs".

Solar Motions (URL: www.solarmotions.com), founded in 1997, joins team members from Stanford and UC Berkeley with industry leaders in the relevant solar, mechanical, electronics, and materials technologies. Their goal is to set new standards in solar vehicle performance.

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Market News

Atmel acquires French SiGe specialist

ATEMEL Corp (San Jose, CA, USA) has agreed to acquire a controlling interest in Thomson-CSF Semiconducteurs Specifique (TCS), based in Saint-Egreve, France.

"With expertise in image sensors and RF chips for wireless transmission,

TCS will be an excellent complement for our existing businesses. The engineering design team gives us added expertise in areas we believe to be strategically important to Atmel as we execute our strategy of becoming a world leader in provid-

ing integrated solutions for the fast-growing wireless and consumer end markets", said George Perlegos, President and CEO of Atmel Corp.

TCS specializes in the development and manufacture of ICs including CCD and CMOS image

sensors as well as analog, digital and RF ASICs, and SiGe. The TCS range of products is used in applications such as digital cameras, biometric thermal imaging sensors and RF contactless chips.

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